

NATIONAL SCIENCE FOUNDATION
4201 WILSON BOULEVARD
ARLINGTON, VIRGINIA 22230



March 5, 2008

Dear Colleague:

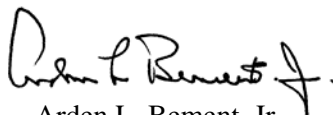
We are initiating a national search for the National Science Foundation's Assistant Director for Engineering (ENG), and seek your assistance in the identification of candidates. Dr. Richard Buckius has served in this position with great distinction since 2005.

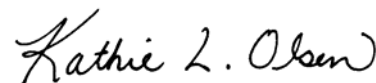
The Assistant Director, ENG, manages a Directorate comprised of five divisions: Chemical, Bioengineering, Environmental and Transport Systems; Civil, Mechanical and Manufacturing Innovation; Electrical, Communications and Cyber Systems; Engineering Education and Centers; Industrial Innovation and Partnerships; and the Office of Emerging Frontiers in Research and Innovation. Enclosed is an information sheet that summarizes the Directorate's activities and the responsibilities of the position, together with the criteria that will be used in the search. Employment may be on a temporary or permanent basis in the Federal Service or by temporary assignment under provisions of the Intergovernmental Personnel Act.

We are very pleased to announce that Dr. Linda Katehi, Provost of the University of Illinois at Urbana-Champaign, has agreed to head the Screening Committee. Both we and the Committee seek your help in identifying candidates with the following qualifications: outstanding leadership; a deep sense of scholarship; a grasp of the issues facing the engineering community in the areas of education and research; proficiency in the administration of large-scale facilities and centers; and the ability to serve effectively as a key member of the NSF management team. We are especially interested in identifying women, members of minority groups, and persons with disabilities for consideration. Recommendations of individuals from any sector -- academic, industry, or government -- are welcome.

Please send your recommendations, including any supporting information which you might be able to provide, to the AD/ENG Screening Committee via e-mail (engsrch@lists.nsf.gov) or at the following address: National Science Foundation, Office of the Director, Suite 1205, 4201 Wilson Boulevard, Arlington, VA 22230. We would appreciate receiving your recommendations by April 15, 2008.

Your assistance in this very important task is appreciated.


Arden L. Bement, Jr.
Director


Kathie L. Olsen
Deputy Director

Enclosures

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**Search Committee Review Criteria
for Assistant Director for Engineering (AD/ENG), NSF**

We are seeking demonstrated evidence of:

Strategic Vision

- Working knowledge of the major current intellectual challenges and opportunities in engineering.
- Ability to think strategically and formulate integrated plans for education and research activities in the engineering disciplines, at their interfaces, and across the boundaries with other disciplines.

Leadership, Direction, and Representation

- Ability to serve effectively as a member of NSF's senior management team, helping to develop consensus both within the Engineering directorate and across the agency on agency policy and plans.
- Ability to plan, prioritize, and coordinate interagency and international research and education programs and to forge government-industry-university partnerships.
- Ability to manage an organization consisting of approximately 140 scientific and support staff personnel.
- Ability to communicate NSF policy and strategic plans to the external community, including the public, the Congress, industry, and colleagues in other disciplines.

Credibility within Research and Education Community

- Deep sense of scholarship, significant contributions to engineering.
- Broad understanding of universities and other institutions where research and education in engineering is conducted.
- Familiarity with the existing U.S. and international infrastructure that supports research and education in engineering.
- High level of professional recognition in the engineering community as evidenced by positions held, publications, inventions, and/or professional awards.

Commitment

- Commitment to the people, ideas and tools goals of the NSF Strategic Plan and to the strategies for achieving these goals through developing intellectual capital, integrating research and education, and promoting partnerships, and an ability to conceptualize the role of engineering in achieving those goals.
- Commitment to the appointment and development of a highly qualified staff that reflects the diversity of our nation and to the equitable representation of underrepresented groups and institutions on advisory committees, in workshops, and proposal review panels.
- Commitment to equitable representation of underrepresented groups in the national engineering enterprise.

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**The National Science Foundation
Directorate for Engineering**

The **National Science Foundation** (NSF) is an independent agency of the United States Government. Its vision is to enable the nation's future through discovery, learning and innovation. In pursuit of this vision, NSF invests in (1) **DISCOVERY** by supporting research that will advance the frontiers of knowledge and establish the nation as a leader in transformational science; (2) **LEARNING** to cultivate a world-class, broadly inclusive science and engineering workforce and scientifically literate citizenry; (3) **RESEARCH INFRASTRUCTURE** by building the nation's research capacity with critical investments in advanced instruments, tools and facilities; and (4) **STEWARDSHIP** by cultivating a capable and responsive organization that promotes excellence in science and engineering research and education. All of these goals work together in concert. The Foundation seeks to realize these goals using four core values: vision, dedication to excellence, broad inclusiveness, and accountability to the research community and the taxpayer.

The **Directorate for Engineering** (ENG) is one of seven NSF directorates. The focus of the Directorate for Engineering is to strengthen the capability of engineering (its knowledge bases and systems, its institutions, and its human and physical resources) to strengthen the national capacity to perform and innovate. Increased innovation contributes to our national prosperity, security, and welfare. The Directorate's goals and strategies mirror those of the Foundation. The Directorate includes the Divisions of Chemical, Bioengineering, Environmental and Transport Systems; Civil, Mechanical and Manufacturing Innovation; Electrical, Communications and Cyber Systems; Engineering Education and Centers; Industrial Innovation and Partnerships; and the Office of Emerging Frontiers in Research and Innovation. The Directorate staff of approximately 140 employees administers a budget of approximately \$637 million annually.

The **Assistant Director for Engineering** (AD/ENG) serves as a key member of NSF's senior management and policy team and provides leadership and direction to the Engineering Directorate programs and initiatives. The incumbent is responsible for planning and implementing programs, priorities, and policy within the framework of statutory and National Science Board authority. NSF seeks a candidate with outstanding leadership abilities; a deep sense of scholarship; a grasp of the issues facing the engineering community in the areas of education and research; proficiency in the administration of large-scale facilities and centers; and a commitment to the goals and strategies of the National Science Foundation.